

Analysis of Centrifuged LT10 Promoter in BL21 Cells Expressed Centrifugation Products

Made with Benchling

Project: Awesome Possum

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Purpose:

Obtain wet cell weight from pellet and supernatant fraction samples for downstream protein analysis.

Materials:

- Frozen Pellet
- Empty Falcon Tube
- Mettler Balance
- Supernatant
- Nalgene Bottle Top Vacuum Filtration Unit
- Vacuum/compressor
- 2X eppendorf tubes
- Micropipette

Protocol:

A mettler balance scale was tared using an empty falcon tube identical to the tube which housed the frozen cell pellet. Then, the pellet tube was weighed after the tare. The wet cell weight was determined to be 1.55 g. Next, a 1.0 mL sample of the supernatant was obtained and stored inside a 1.5 mL eppendorf tube labeled "Fraction S2." After that, the supernatant was run through a nalgene vacuum filter. Then a 1.0 mL sample was retrieved and labeled "Fraction S3." Finally, the filtered supernatant and frozen pellet were returned to cold storage.